

## Proportions

Date \_\_\_\_\_ Period \_\_\_\_\_

State if each pair of ratios forms a proportion.

*Are cross products equal?*

1)  $\frac{4}{2}$  and  $\frac{20}{6}$

2)  $\frac{3}{2}$  and  $\frac{18}{8}$

3)  $\frac{4}{3}$  and  $\frac{16}{12}$

4)  $\frac{4}{3}$  and  $\frac{8}{6}$

5)  $\frac{12}{24}$  and  $\frac{3}{4}$

6)  $\frac{6}{9}$  and  $\frac{2}{3}$

Solve each proportion.

7)  $\frac{10}{k} = \frac{8}{4}$

8)  $\frac{m}{10} = \frac{10}{3}$

9)  $\frac{2}{x} = \frac{7}{9}$

10)  $\frac{3}{x} = \frac{7}{10}$

$$11) \frac{4}{9} = \frac{2}{x}$$

$$12) \frac{6}{a} = \frac{3}{8}$$

$$13) \frac{8n}{8} = \frac{8}{3}$$

$$14) \frac{7}{9} = \frac{a}{5}$$

$$15) \frac{p}{8} = \frac{13}{2}$$

$$16) \frac{3}{13} = \frac{v}{3}$$

$$17) \frac{10}{12} = \frac{2}{n}$$

$$18) \frac{11}{10} = \frac{r}{11}$$

$$19) \frac{x}{9} = \frac{7}{14}$$

$$20) \frac{a}{10} = \frac{11}{14}$$

$$21) \frac{v}{12} = \frac{10}{2}$$

$$22) \frac{6}{14} = \frac{5}{n}$$